



Test Lab Guide: Configure Intranet and Team Sites with SharePoint Server 2013

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Test Lab Guide: Configure Intranet and Team Sites with SharePoint Server 2013

James Morey
Microsoft Corporation
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Summary: This paper contains a brief introduction to SharePoint Server 2013 and step-by-step instructions for configuring intranet and team sites based on the [SharePoint Server 2013 Three-Tier Farm test lab guide](#). This paper does not describe how to install and configure SharePoint Server 2013 in a pilot or production environment. For more information, see [Install and deploy SharePoint 2013](#).

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August 4, 2013	Updated to include links to the new overview video and eBook.
April 19, 2013	Updated for simplification and for a reduction of overlap with the Test Lab Guide: Demonstrate Social Features for SharePoint Server 2013.
November 28, 2012	Updated for the released version of SharePoint Server 2013 and with standard text, graphics, and sections.
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July 16, 2012	Initial publication

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Introduction

Microsoft® SharePoint® 2013 makes it easy for people to work together. SharePoint 2013 Products enables you and your employees to set up web sites to share information with others, manage documents from start to finish, and publish reports to help everyone make informed decisions. SharePoint 2013 consists of SharePoint 2013 Foundation and SharePoint 2013 Server.

SharePoint Server 2013 has the following capabilities:

- **Sites** Provides a single infrastructure for all your business web sites. Share documents with colleagues, manage projects with partners, and publish information to customers.
- **Communities** Delivers great collaboration tools—and a single platform to manage them. Make it easy for people to share ideas and work together the way they want.
- **Composites** Offers tools and components for creating do-it-yourself business solutions. Build no-code solutions to rapidly respond to business needs.
- **Content** Makes content management easy. Set up compliance measures “behind the scenes”—with features like document types, retention policies, and automatic content sorting—and then let people work naturally in Microsoft Office.
- **Insights** Gives everyone access to the information in databases, reports, and business applications. Help people locate the information to make good decisions.
- **Search** Cuts through the clutter. A unique combination of relevance, refinement, and social cues helps people find the information and contacts they need to get their jobs done.

For more information about Microsoft SharePoint Server 2013, see the [SharePoint 2013 Product Information site](#) and [SharePoint 2013 for IT pros](#).

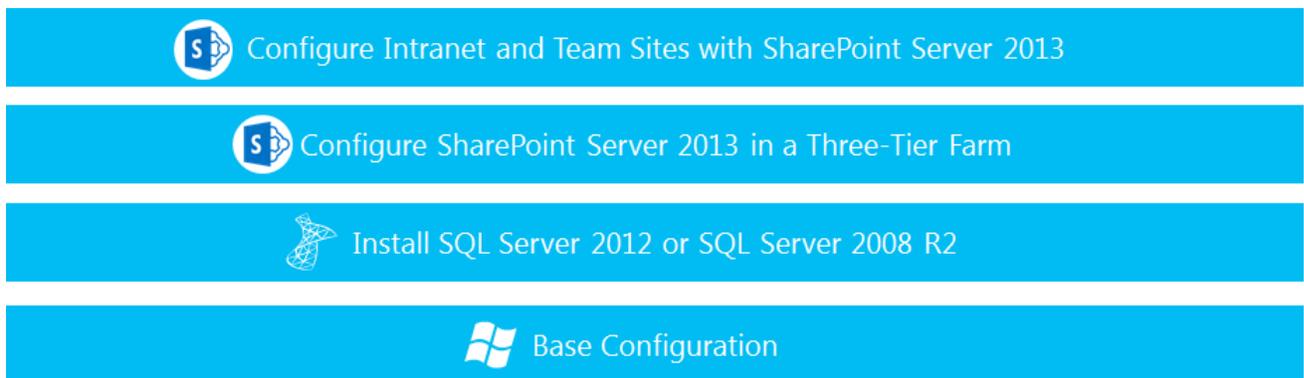
Test Lab Guides



Microsoft Test Lab Guides (TLGs) are a set of documents that step you through the configuration and demonstration of a Microsoft technology or product in a standardized test lab environment, which starts with a common base configuration that mimics a simplified intranet and the Internet. TLGs are designed to be modular, extensible, and stackable to configure complex, multi-product solutions. TLGs make learning about products, technologies, and solutions easier by providing that crucial hands-on, “I built it out myself” experience.

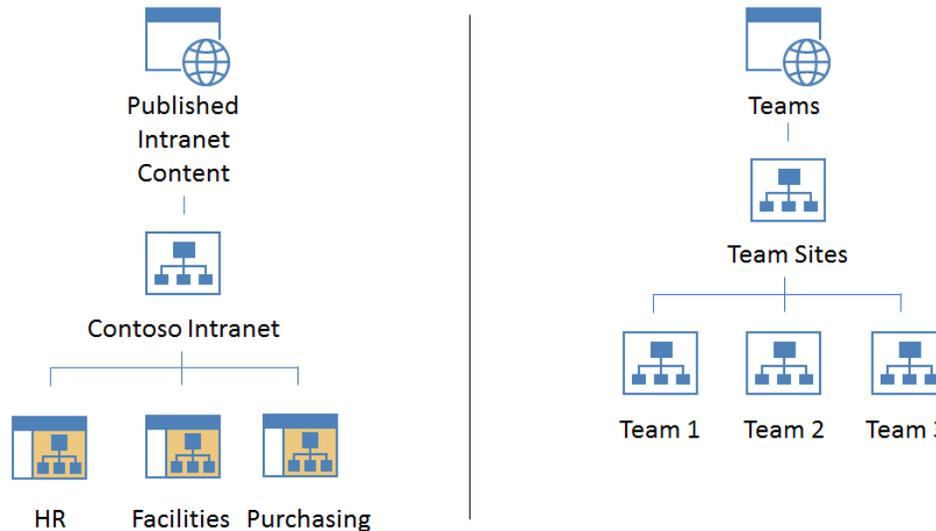
For more information, see [Test Lab Guides](http://microsoft.com/testlabguides) at <http://microsoft.com/testlabguides>.

A TLG stack is a set of dependent TLGs that, when configured from the bottom of the stack, create a meaningful test lab configuration. This TLG is at the top of the following TLG stack:



In this guide

This paper explains how to set up multiple web applications and site collections for intranet departments and teams to create the following web infrastructure:



Note

To configure a My Sites web application, see the [Test Lab Guide: Demonstrate Social Features for SharePoint Server 2013](#). If you have already configured the Test Lab Guide: Demonstrate Social Features for SharePoint Server 2013 test lab guide on your three-tier farm test lab, skip the procedures in this guide related to creating and configuring the Teams web application and Team 1, Team 2, and Team 3 site collections.

For a short video that describes the configuration of this test lab, see the [SharePoint Intranet and Team Sites TLG overview](#).

For eBook versions of this TLG (including DOCX, EPUB, MOBI, and PDF), see [Test Lab Guide: eBook for SharePoint Server 2013 Intranet and Team Sites](#).

Important

The following instructions configure a SharePoint Server 2013 test lab by using the minimum number of computers. Individual computers are needed to separate services provided on the network and to clearly show the desired functionality. This configuration is neither designed to reflect best practices nor does it reflect a desired or recommended configuration for a production network. The configuration, including IP addresses and all other configuration parameters, is designed only to work on a separate test lab network. Attempting to adapt this test lab configuration to a pilot or production deployment can result in configuration or functionality issues.

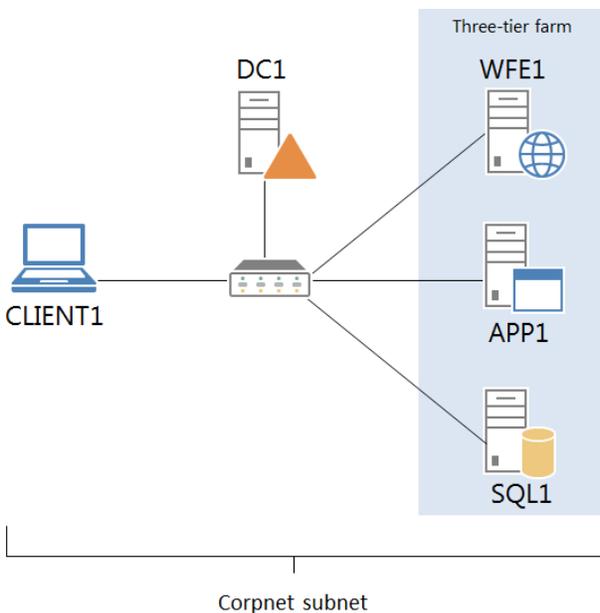
Test lab overview

In this test lab, SharePoint Server 2013 intranet and team sites on a three-tier farm is deployed by using the following:

- One computer running Windows® Server® 2008 R2 Enterprise Edition with Service Pack 1 named DC1 that is configured as an intranet domain controller, Domain Name System (DNS) server, DHCP server, and enterprise root certification authority (CA).

- One intranet member server running Windows Server 2008 R2 Enterprise Edition with Service Pack 1 named SQL1 that is configured as a SQL database server.
- One intranet member server running Windows Server 2008 R2 Enterprise Edition with Service Pack 1 named APP1 that is configured as the SharePoint Server 2013 application server.
- One intranet member server running Windows Server 2008 R2 Enterprise Edition with Service Pack 1 named WFE1 that is configured as the SharePoint front-end web server.
- One member client computer running Windows 7 Enterprise or Ultimate named CLIENT1.

The SharePoint Server 2013 test lab consists of a single subnet named Corpnet (10.0.0.0/24) that simulates a private intranet. Computers on the Corpnet subnet connect by using a hub or switch. See the following figure.



Hardware and software requirements

The following are required components of the test lab:

- The product disc or files for Windows Server 2008 R2 with Service Pack 1.
- The product disc or files for Windows 7.
- The product disc or files for Microsoft SQL Server 2012 or Microsoft SQL Server 2008 R2 with Service Pack 1.
- The product disc or files for SharePoint Server 2013.
- Four computers that meet the minimum hardware requirements for Windows Server 2008 R2 Enterprise Edition.

- One computer that meets the minimum hardware requirements for Windows 7 Enterprise or Ultimate.

Steps for Configuring the SharePoint Server 2013 Intranet and Team Sites Test Lab

Use the following steps to set up the SharePoint Server 2013 intranet and team sites lab.

1. Set up the SharePoint Server 2013 3-tier farm test lab.
2. Configure the intranet and team sites on APP1.
3. Verify the intranet and team sites.



Note

You must be logged on as a member of the Domain Admins group or a member of the Administrators group on each computer to complete the tasks described in this guide. If you cannot complete a task while you are logged on with an account that is a member of the Administrators group, try performing the task while you are logged on with an account that is a member of the Domain Admins group.

The following sections provide details about how to perform these steps.

Step 1: Set up the SharePoint Server 2013 3-tier farm test lab

Set up the SharePoint Server 2013 three-tier farm test lab using the procedures in the [SharePoint Server 2013 Three-Tier Farm test lab guide](#).

Step 2: Configure the intranet and team sites on APP1

In this section, you configure the intranet and team sites on APP1. The intranet and team sites configured in this guide use four separate application pools that host four web applications to separate different parts of the logical architecture of the sites.

1. **Web Application 1** - Hosts only the Central Administration web site.

This web application is created in [Step 1: Set up the SharePoint Server 2013 3-tier farm test lab](#).

2. **Web Application 2** - Hosts the various shared service applications that provide functionality for the features in this guide.

This web application is created in [Step 1: Set up the SharePoint Server 2013 3-tier farm test lab](#).

3. **Web Application 3** - Hosts the published intranet content.

This content will be provided in one site collection. You will create this web application in this section.

4. **Web Application 4** - Hosts the Team Sites content.

The Team Sites will be presented in three site collections. You will create this web application in this section.

▶ **To enable DNS name resolution for the new web applications**

1. Log on to DC1 with the CORP\user1 account.
2. Click **Start**, point to **Administrative Tools**, and then click **DNS**.
3. In the console tree of the DNS Manager snap-in, open **DC1\Forward Lookup Zones**.
4. Right-click **corp.contoso.com**, and then click **New Host (A or AAAA)**.
5. In the **New Host** dialog box, type **intranet** in **Name**, type **10.0.0.3** in **IP address**, and then click **Add Host**. Click **OK**.
6. In the **New Host** dialog box, type **teams** in **Name**, type **10.0.0.3** in **IP address**, and then click **Add Host**.
7. Click **OK**, and then click **Done**.

▶ **To create the Published Intranet Content web application**

1. Log on to APP1 with the CORP\user1 account.
2. Click **Start**, click **All Programs**, click **Microsoft SharePoint 2013 Products**, and then click **SharePoint 2013 Central Administration**.
3. In the **Application Management** group, click **Manage web applications**.
4. On the **Web Applications** tab, in the **Contribute** group of the ribbon, click **New**.
5. In the **Create New Web Application** dialog box, in the **IIS Web Site** section, in **Name**, replace the default text with **Published Intranet Content**.
6. In **Port**, replace the default text with **80**.
7. In **Host Header**, type **intranet.corp.contoso.com**.
8. In the **Public URL** section, change the default URL to **http://intranet.corp.contoso.com**.
9. In the **Application Pool** section, in **Create new application pool**, replace the default text for **Application pool name** with **Application Pool 3**.
10. In the **Database Name and Authentication** section, change the default **Database Name** to **WSS_Content_Intranet**.
11. Click **OK** to create the web application.

▶ **To create the Teams web application**

1. On the **Web Applications** tab, in the **Contribute** group of the ribbon, click **New**.
2. In the **Create New Web Application** dialog box, in the **IIS Web Site** section, in **Name**, replace the default text with **Team Sites**.
3. In **Port**, replace the default text with **80**.

4. In **Host Header**, type **teams.corp.contoso.com**.
5. In the **Public URL** section, change the default URL to **http://teams.corp.contoso.com**.
6. In the **Application Pool** section, click **Create new application pool** and replace the default text for **Application pool name** with **Application Pool 4**.
7. In the **Database Name and Authentication** section, change the default **Database Name** to **WSS_Content_Team1**.
8. Click **OK** to create the web application.

▶ **To create the content databases for the Teams web application**

1. In the list of quick links, click **Application Management**.
2. On the **Application Management** page, in the **Databases** section, click **Manage content databases**.
3. On the **Content Databases** page, click the down arrow next to **http://intranet.corp.contoso.com**, and then click **Change Web Application**.
4. In **Select Web Application**, click **Team Sites**.
5. Click the **WSS_Content_Team1** content database.
6. On the **Manage Content Database Settings** page, in the **Database Capacity Settings** section, replace the default value in the **Number of sites before a warning event is generated** box with **5**.
7. Replace the default value in the **Maximum number of sites that can be created in this database** box with **6**.
8. Click **OK**.
9. On the **Content Databases** page, click **Add a content database**.
10. On the **Add Content Database** page, in the **Database Name and Authentication** section, type **WSS_Content_Team2** in the **Database Name** box.
11. In the **Database Capacity Settings** section, replace the default value in the **Number of sites before a warning event is generated** box with **5**.
12. Replace the default value in the **Maximum number of sites that can be created in this database** box with **6**.
13. Click **OK** to create the content database.
14. On the **Content Databases** page, click the **WSS_Content_Team2** database.
15. On the **Manage Content Database Settings** page, in the **Database Information** section, select **Offline** from the **Database status** list.
16. Click **OK**.
17. On the **Content Databases** page, click **Add a content database**.
18. On the **Add Content Database** page, in the **Database Name and Authentication** section, type **WSS_Content_Team3** in the **Database Name** box.
19. In the **Database Capacity Settings** section, replace the default value in the **Number of sites before a warning event is generated** box with **5**.
20. Replace the default value in the **Maximum number of sites that can be created in this database** box with **6**.

21. Click **OK** to create the content database.
22. On the **Content Databases** page, click the **WSS_Content_Team3** database.
23. On the **Manage Content Database Settings** page, in the **Database Information** section, select **Offline** from the **Database status** list.
24. Click **OK**.

This will set all of the databases, except WSS_Content_Team1 to Offline.

▶ To create the Teams Sites quota template

1. In the Quick Launch list, click **Application Management**.
2. On the **Application Management** page, in the **Site Collections** section, click **Specify quota templates**.
3. On the **Quota Templates** page, in the **Template Name** section, select **Create a new template**, and select **Personal Site** from the **Template to start from** list.
4. For **New template name**, type **Contoso Team Sites**.
5. In the **Storage Limit Values** section, replace the default value in the **Limit site storage to a maximum of** box with **30000** and the default value in the **Send warning E-mail when Site Collection storage reaches** box with **20000**.
6. Click **OK** to create the template.

▶ To create the Team Sites site collections on APP1

1. On the **Application Management** page, in the **Site Collections** section, click **Create site collections**.
2. On the **Create Site Collection** page, ensure that **http://teams.corp.contoso.com** is selected in the **Web Application** list.
3. In the **Title and Description** section, in the **Title** box, type **Team Sites**.
4. In the **Web Site Address** section, select **/** in the list.
5. In the **Primary Site Collection Administrator** and **Secondary Site Collection Administrator** sections, type **User1**.
6. In the **Quota Template** section, select **Contoso Team Sites** from the **Select a quota template** list.
7. Click **OK** to create the top-level site collection.
This creates the top-level site collection under which the three team sites are hosted. This site collection will be created in the WSS_Content_Team1 content database.
8. On the **Top-Level Site Successfully Created** page, click **OK**.
9. On the **Application Management** page, in the **Site Collections** section, click **Create site collections**.
10. On the **Create Site Collection** page, ensure that **http://teams.corp.contoso.com** is selected in the **Web Application** list.
11. In the **Title and Description** section, in the **Title** box, type **Team 1**.
12. In the **Web Site Address** section, select **/sites/** in the list and type **team1**.
13. In the **Primary Site Collection Administrator** and **Secondary Site Collection Administrator** sections, type **User1**.

14. In the **Quota Template** section, select **Contoso Team Sites** from the **Select a quota template** list.
15. Click **OK** to create the site collection.
This site collection will be created in the WSS_Content_Team1 content database.
16. On the Top-Level Site Successfully Created page, click **OK**.
17. On the **Application Management** page, in the **Databases** section, click **Manage content databases**.
18. On the **Content Databases** page, click the WSS_Content_Team2 database.
19. On the **Manage Content Database Settings** page, in the **Database Information** section, select **Ready** from the **Database status** list.
20. Click **OK**.
21. On the **Content Databases** page, click the WSS_Content_Team1 database.
22. On the **Manage Content Database Settings** page, in the **Database Information** section, select **Offline** from the **Database status** list.
23. Click **OK**.
24. On the **Application Management** page, in the **Site Collections** section, click **Create site collections**.
25. On the **Create Site Collection** page, ensure that **http://teams.corp.contoso.com** is selected in the **Web Application** list.
26. In the **Title and Description** section, in the **Title** box, type **Team 2**.
27. In the **Web Site Address** section, select **/sites/**, and then type **team2**.
28. In the **Primary Site Collection Administrator** and **Secondary Site Collection Administrator** sections, type User1.
29. In the **Quota Template** section, select **Contoso Team Sites** from the **Select a quota template** list.
30. Click **OK** to create the site collection.
This site collection will be created in the WSS_Content_Team2 content database.
31. On the **Top-Level Site Successfully Created** page, click **OK**.
32. On the **Application Management** page, in the **Databases** section, click **Manage content databases**.
33. On the **Content Databases** page, click the WSS_Content_Team3 database.
34. On the **Manage Content Database Settings** page, in the **Database Information** section, select **Ready** from the **Database status** list.
35. Click **OK**.
36. On the **Content Databases** page, click the WSS_Content_Team2 database.
37. On the **Manage Content Database Settings** page, in the **Database Information** section, select **Offline** from the **Database status** list.
38. Click **OK**.
39. On the **Application Management** page, in the **Site Collections** section, click **Create site collections**.
40. On the **Create Site Collection** page, ensure that **http://teams.corp.contoso.com** is selected in the **Web Application** list.

41. In the **Title and Description** section, in the **Title** box, type **Team 3**.
42. In the **Web Site Address** section, select **/sites/**, and then type **team3**.
43. In the **Primary Site Collection Administrator** and **Secondary Site Collection Administrator** sections, type **User1**.
44. In the **Quota Template** section, select **Contoso Team Sites** in the **Select a quota template** list.
45. Click **OK** to create the site collection.
This site collection will be created in the WSS_Content_Team3 content database.
46. On the **Top-Level Site Successfully Created** page, click **OK**.
47. On the **Application Management** page, in the **Databases** section, click **Manage content databases**.
48. On the **Content Databases** page, click the WSS_Content_Team1 database.
49. On the **Manage Content Database Settings** page, in the **Database Information** section, select **Ready** from the **Database status** list.
50. Click **OK**.
51. On the **Content Databases** page, click the WSS_Content_Team2 database.
52. On the **Manage Content Database Settings** page, in the **Database Information** section, select **Ready** from the **Database status** list.
53. Click **OK**. Now, all three content databases are ready for content storage.

▶ **To create the Published Intranet Content site collection on APP1**

1. On APP1, in the Quick Launch list, click **Application Management**.
2. In the **Site Collections** section, click **Create site collections**.
3. On the **Create Site Collection** page, click the down arrow next to **http://teams.corp.contosotlg.com/**, and then click **Change Web Application**.
4. In **Select Web Application**, click **Published Intranet Content**.
5. In the **Title and Description** section, in the **Title** box, type **Contoso Intranet**.
6. In the **Web Site Address** section, select **/**.
7. In the **Primary Site Collection Administrator** and **Secondary Site Collection Administrator** sections, type **User1**.
8. Click **OK** to create the top-level site collection.
This will create the top-level site collection under which the three division sites will be hosted.
9. On the **Top-Level Site Successfully Created** page, click **OK**.

▶ **To create the Intranet sites on CLIENT1**

1. Log on to CLIENT1 with the CORP\User1 account.
2. Start Internet Explorer, type **http://intranet.corp.contoso.com/** in the address bar, and press **ENTER**. This page might take a minute to render for the first time.
3. On the Contoso Intranet page, in the Quick Launch list, click **Site Contents**, and then click **New subsite** under **Subsites**.

4. On the **New SharePoint Site** page, in the **Title and Description** section, type **Human Resources** in the **Title** box.
5. In the **Web Site Address** section, type **hr** in the **URL name** box.
6. Click **Create** to create the new site.
The Human Resources site will appear.
7. Type **http://intranet.corp.contoso.com/** in the address bar of Internet Explorer, and then press ENTER.
8. On the Contoso Intranet page, click **Site Contents** in the Quick Launch list, and then click **New subsite** under **Subsites**.
9. On the **New SharePoint Site** page, in the **Title and Description** section, type **Facilities** in the **Title** box.
10. In the **Web Site Address** section, type **facilities** in the **URL name** box.
11. Click **Create** to create the new site.
The Facilities site will appear.
12. Type **http://intranet.corp.contoso.com/** in the address bar of Internet Explorer, and then press ENTER.
13. On the Contoso Intranet page, click **Site Contents** in the Quick Launch list, and then click **New subsite** under **Subsites**.
14. On the **New SharePoint Site** page, in the **Title and Description** section, type **Purchasing** in the **Title** box.
15. In the **Web Site Address** section, type **purchasing** in the **URL name** box.
16. Click **Create** to create the new site.
The Purchasing site will appear.

Step 3: Verify the intranet and team sites

In this procedure, you verify access to the intranet and team sites that were created on APP1.

▶ To confirm the Intranet Sites on CLIENT1

1. On CLIENT1, in the address bar of Internet Explorer, type **http://intranet.corp.contoso.com/hr**.
2. In Internet Explorer, also browse to the <http://intranet.corp.contoso.com/facilities> and <http://intranet.corp.contoso.com/purchasing> sites.

▶ To confirm the Team Sites on CLIENT1

1. On CLIENT1, in the address bar of Internet Explorer, type **http://teams.corp.contoso.com/sites/team1**. This page might take a minute to render for the first time.
2. Browse to the <http://teams.corp.contoso.com/sites/team2> and <http://teams.corp.contoso.com/sites/team3> pages.

You are now ready to begin exploring the functionality of SharePoint 2013 intranet and team sites to create and share content, such as:

- Documents (click **new document** on a site collection or subsite home page)
- Wiki pages (click **Site Contents** in the Quick Launch list, then the **Site Pages** icon)
- Tasks (click the **Working on a deadline?** icon on a home page)
- Calendars (click the **Working on a deadline?** icon on a home page)

For more information about these capabilities and more, see [SharePoint 2013 Overview](#).

Snapshot the Configuration

This completes the SharePoint Server 2013 intranet and team sites test lab. To save this configuration so that you can quickly return to a working configuration from which you can test other SharePoint TLGs or test lab extensions or for your own experimentation and learning, do the following:

1. On all physical computers or virtual machines in the test lab, close all windows and then perform a graceful shutdown.
2. If your lab is based on virtual machines, save a snapshot of each virtual machine and name the snapshots **SP2013Intranet&TeamSites**. If your lab uses physical computers, create disk images to save the SharePoint Server 2013 intranet and team sites test lab configuration.

Additional Resources

For more information about SharePoint Server 2013, see the [SharePoint 2013 product information web page](#) and [SharePoint 2013 for IT pros](#).

To provide the authors of this guide with feedback or suggestions for improvement, send an email message to itspdocs@microsoft.com.

To submit your questions about this test lab or SharePoint 2013, see the [SharePoint 2013 for IT Professionals Forum](#).

For a list of TLGs related to this test lab or extensions to demonstrate additional functionality, see [SharePoint Server 2013 Test Lab](#) in the TechNet Wiki.

Microsoft strongly encourages you to develop and publish your own TLG content for SharePoint Server 2013. For example, you can publish in the TechNet Wiki (example: [Test Lab Guide: Demonstrate Remote Access VPNs](#)) or in your own publishing forum (example: [Test Lab Guide \(Part 1\) - Demonstrate TMG PPTP, L2TP/IPsec and SSTP Remote Access VPN Server](#)). See [Wiki: Creating and Publishing Test Lab Guide Content](#) for information about the types of content you can create and for links to guidance, templates, and examples.

For a list of additional Microsoft TLGs, see [Test Lab Guides](#) in the TechNet Wiki.